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tumour treatment and to understand mechanismsm to INF action
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    par DWT (AACOTES) - Give the required plasmid patrine BP. See also AAgotese 206285.
seq_mame: "The District in the ment of presenting that the text that the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 1234 BF: 259 A; 409 C; 542 G; 284 T; C Other:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Paugitmate E. Bismiet A. Mautel Foly D. Stratuwa C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DNA encoding INF binding protein and INF- receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Jupa:
Percent Identify: 94,787
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            location/Qualifiers
                                                                                                                                                                                             AAgust & standard, DNA, 1354 Br.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (bolh ) BOLHGINGER INGELHEIMINT.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /product.=INF-BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         9CEP-0106624.
                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Filt (1796 Percent Similarity) 94.787
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      - 30%-11_4...k:
88-09-50=5088-11-8 AAQUUBD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Tiality: 1117.50 Fig.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /*tag-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WP1: 1940-321987/43.
                                                                                                                   seq_documentation_block:
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Human; tumour necrosis factor receptor; TNF-R; interleukin-1 receptor; IL-IR; fusion protein, linker, TNF, IL-1; cachexia, eccebtal malaria, rheumatoid arthritis; diabetes, multiple selenosis, septic shock; publichary fibrosis, silicosis, alloquaft, xemograft, rejection, gratt, verses host disease; sepsis; inflammation; allergy;
                     30 .......AspservaldysProGlnGlyLysTyrile 39 [1111111111111111111111]
313 FAGGGACAGAGAGAGAGAFAGFGFGFGFGFGFGFGFGAAAGGAAAATATG 362
                                                                                                                                                                                                                                                                                                                                                                                       363 CACCCTCAAAATAATTCGATTTGCTGTACCAAGTGCCACAAAGGAACCTA 412
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    90 SerCysSerLysCysArglysCluMetClyClnValGlulleSerSerCy 106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              513 AGCTGCTC7AAATGC7GAAAAGGAATGGGTCAGGTGGAAATCTCTTTG 562
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             106 sThrValAspArgAspThrValCysCl7CysArgLysAsnGlnTyrArgH 123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          563 CACAGTGGACCGGAGAGAGGTGTGTGGGTGTGAGGAGGAGGAGGAGTACCGCC 612
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   123 isTyrTrpSerGluAsuLeuFheGluCysFheAsuCysSerLeuCysLeu 139
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               140 AsnClyThrValHisLeuSerCysClnCluLysClnAsnThrValCysTh 156
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      156 rCysHisAlaClyrhePheLeuArgCluAsnCluCysValSerCysSerA 173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           40 HisProGlnAsnAsnSerlleCysCysThrLysCysHisLysGlyThrTy 56
                                                                                                                                                                                                                                                                                                                                                                    56 rieuTyrAsnAspCysProGlyProGlyGlnAspThrAspCysArgGluC 73
                                                                                                                                                                                                                                                                                                                                                                                                                                                           73 ysGluSerGlySerPheThrAlaSerGluAsnHisLeuArgHisCysLeu 89
1 MetGlyLeuSerThrValProAspLeuLeuLeuProLeuValLeuLeuGl 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              seq_name: /S1DS2/gcgdata/geneseq/geneseqn/NA1993.DAT:AAQ49932
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     190 AsnVallysClyThrCluAspSerClyThrThr 200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              813 AAIGTTAAGGGCACACTGAGGCTACACACACA 845
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          seq_documentation_block:
ID AAQ49932 standard; cDNA to mRNA; 1368 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     autoimmune dysfunction; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           29-APR-1994 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Lambda-derived INF-R cDNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAQ49932;
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Homo sapiens. Lambda-gt10-7-ctnfbp.

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The linker many comprises 6-100 amino- axids axidental true GLY, Asp, Ser, Thr and Ala. These linkers separate the individual movities beyond a distance that each component of the fusion protein equired to fits biological activity. These fusion proteins may be used in particularly in conditions mediated by TNF or IL-1, particularly in conditions in the man in the particularly in conditions in which both TNF and IL-1 play a causitive frole. They may be used to treat cachexia, rhemmatoid arthritis, conditions multiple softerosis, pulmonary fibrosis, and sillows:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The sequences given in AAQ49931-32 encode human tumour necrosis factor
                                                                                                                                                                                                                                                                                                                                                                                    New fusion protein tumour necrosis factor and human interleuking receptor - useful in therapy, diagnosis and assays of e.g. rheumatoid arthritis, diabetes, cerebral malaria, sepsis, etc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              receptor (TNF-R) and the sequences in AAQ49933-34 encode human interleukin-1 receptor (IL-1R). These sequences were used in the production of a fusion protein which contormed to one of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           host disease, sepsis, septic shock, inflammation, allergies and autoimmune dysfunctions.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 MetGlyLeuSerThrValProAspLeuLeuLeuProLeuValLeuLeuGl 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 1368 BP; 292 A; 424 C; 376 G; 276 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Percent Identity: 94.787
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Align seg 1/1 to: AAQ49932 from: 1 to: 1368
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TWE-R-HIDKET-TNF-R-HIDKET-II-TK
II. HR-HIDKET TNF R HIDKET-TNF-R OF
TNF-R-HIDKET-TNF-R
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Disclosure, Page 57·59, 85pp; English.
                ocation/Qualifiers
                                           /*tag- a
/product- hTNF-R
                                                                                                                                                                                                                                                  92HS-0860710.
                                                                                                                                                                                                                   93WO-US02938
                                                                                       /*tag= b
121..1363
                                                                                                                          /*tag- c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-525-998A-12 x AAQ49932
                              .1366
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    94.787
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Quality: 1117.50
                                                                              07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     588
                                                                                                                                                                                                                                                                              (IMMV ) IMMUNEX CORP.
                                                                                                                                                                                                                                                                                                                                        WPI: 1993-336592/42.
                                                                                                                                                                                                                                                                                                                                                          P-PSDB; AAR42059
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Percent Similarity:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ratio.
                                                                                                                                                                                                                  26-MAR-1993;
                                                                                                                                                                                                                                               30-MAR-1992;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           alignment_scores:
                                                                                                                                                    W09319777-A.
                                                                                                                                                                                    14-0CT-1993.
                                                                          sig_peptide
                                                                                                         mat_peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  alignment_block:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              formulae:
                                                                                                                                                                                                                                                                                                             Smith CA;
                Key
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TNPRL: tumour nectoris factor receptor; polymorphism; homan;
tumour; cancer; apoptosis; bacterial infection; ds.
                                                                                                                                                                                                                                                                                                                                                                                                  | 173 | SECQNS | 178 | 179 | 179 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 1
                             201 CITGIACAATGACICTOWOONOONOAGAIANGGAIGAAGAGAAGI 250
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    90 SerCysSerLysCysArgLysGluMetGlyGlnValGluIleSerSerCy 106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     106 sThrValAspArgAspThrValCysGlyCysArgLysAsnGlnTyrArgH 123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   23 isTyrTrpSerCluAsnLeuPheClnCysPheAsnCysSerLeuCysLeu 139
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      140 AsnGlyThrValHisLeuSerCysGlnGluLysGlnAsnThrValCysTh 156
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             rCysHisAlaGlyPhePheLeuArgGluAsnGluCysValSerCysSerA 173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        30 ......AspSerValCysProCluGlyLysTyrile 39
                                                                                                                                                                                                                                                                      56 rLeuTyrAsaAspCysProGlyProGlyGlaAspThrAspCysArgGluC 73
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             seq_name: //stiss_/graplata/jeneee_j/jeneeaqn/NALGGG tat-AAA91169
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          190 AsnValLysGlyThrGluAspSerGlyThrThr 200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        601 AATGTTAAGGGCACTGAGGACTCAGGCACCACA 633
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /*tag- a
/product- "INFRl"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAA95105 standard; DNA; 1368 BP
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194..322
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1368
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /*tag-
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The present invention relates to polymorphic variants of the tumour necrosis factor receptor 1 (INFRI) gene. The present sequence is the coding sequence of the INFRI gene. The sequence of the Whole gene is given in AAA55102, AAA55103 and AAA564. The polymorphisms whole gene is identified by amplitying and sequencing realons of the ene. Twelve polymorphic holes were discovered, of these twelve polymorphisms, four careause a change in the INFRI protein. The INFRI polymorphisms may be
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Edynamications computation polymorphic variants of a reference sequence for tumour necrosis factor receptor 1 (TNFR1), useful for studying the biological function of TNFR and identifying drugs targeting the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       useful for studying the biological function of INFRI as well as for identifying drugs targeting the protein for freatment of disorders
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              related to its abnormal expression or function such as tumonrs,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        apoptosis related disorders and bacterial intection.
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                               /*(ag= 1
replace(269,T)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            protein for treating disorders
                   replace(224.T)
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1058..1368
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552..625
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740..768
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SCHULZ V P.
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Sequence 1858 BP; 292 A; 424 c; 325 c; 276 T; c offer;

Tumour necrosis factor alpha; autoimmune diseases; cachectin; ss;

extracellular domain.

Homo sapiens

Socation/Qualifiers 155..1522

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/*tag-

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sig_poptide mat_peptide

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473..532

misc_feature

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/note- "encodes the extracellular domain of human

/*tag

misc_feature

TNF alpha receptor"

/*taq- d //ote "Nomologous to probe AAQ20974"

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                                                                                                                                                      40 HisProGlnAsnAsnSerileCysCysThrnysCysHisnysGlyrhrfy 56
                                                                                                                                                                                                                                                                                                                                                                                                                56 rLeuTyrAsnAspCysProGlyProGlyGlnAspThrAspCysAigGluC 73
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Seq name: 78:1582/gegdata/geneseg/geseseyn/wal992 nap;aaq20973
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 140 AsnGlyThrValHisLeuSerCysGlnGluLysClnAsnThrValCysTh
                                              Percent Identity, 94,787
                                   Gaps:
                                                                                                                          Align seg 1/1 to: AAA95105 from: 1 to: 1368
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          601 AAIGIIAAGGGCACTGAGGACTCAGGCACCACA 633
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAC20973 standard; DNA; 2062 BP
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                                                                           alignment_block:
US-09-525-998A-12 x AAA95105
                                             Percent Similarity: 94.787
             Quality: 1117.50
                               5.588
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                               Ratio:
aliqnment_scores:
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New tumour necrosis factor alpha binding protein and polypeptide - useful in treating cachexia, sepsis and auto immune diseases

Disclosure; Fig 1; 25pp; English.

e.g. rheumatoid arthritis

Feldman M, Gray P, Turner M, Brennan F;

WPI: 1992-043613/06.

P-PSDB; AAR20787

90GB-0013410. 90GB-0013410.

15-JUN-1990; 15-JUN-1990;

05-FEB-1992.

GB2246569-A

(CHAR-) CHARING CROSS SUNLE

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The sequence is that of DNA encoding tumour necrosis factor alpha binding platental cDNA library in lambda quil using a probe (AAQLU974). The DNA also encodes the extraccilular domain of human TNF dipla receptor and as such it is useful for treating diseases where TNF alpha is involved as a causative agent, e.g. cachexia, sepsis and autoimmune diseases, specifically theumatoid arthritis. See also AAQ20974.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2015 GOTH OF THE CONTRACT OF THE ACCOUNT AND THE CAST CONTRACT CAST
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 2062 BF; 429 A; 616 C; 573 C, 444 T, 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Percent Identity: 94.787
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Ratio: 5 588
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treatment; pulmenary diseases, septic shock; HIV infection; AIDS; malaria; viral meningits; graft versus host disease; autoimmune disease; rheumatoid arthritis.
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                                                          reysHisAlaclyPhophologArgCluAsaCluCysValSereysSerA 173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             90 SerCysSerLysCysArglysCluMctGlyClnValGlullcSerSerCy 106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           173 snCysLysLysSerLeuGluCycThrLysLeuCysLeuProGlnIleGlu 189
                                                                                                                                                             405 GIGAGAGAGAGAPPPPAPPAPPPAAAAQGAGTPCAGAGAGTGGGTTC 454
                                                                                                                              40 HisProGlnAsnAsnSerlleCysCysThrLysCysHisLysClyThrTy 56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           seg_name. /SIES2/gegdata,/g-n-s-a//pross-pp/Na1992.Fa1.Aa024440
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1258..1260
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/codon= Soq"AAC", aarlint 1433..1435

mat_peptide

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This sequence encodes human TNF-alpha 55kb receptor. A placenta cDNA library is 412 was screed with prote ANGSSA. In hybridisina clones were plaque partised and cDNA size determined by PAGE against an ECS Eldistical players. The librarts of two CDNA closes were then sequenced, the coding region of the majority of the human TNF-alpha 55kb receptor was isolated as an ECSF fraumorf clouding 374 amino acids, and cloud into a manmalian cell expression vector, resulting in pTNFE. A desirative of the TNF-alpha receptor was produced by engineering a termination codon just prior to the transmembrane dominate. PCM with primers AAS29237, 8 generated as 300pp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               restriction fragment which was cloned into prink, giving pinkReed.
DAA segmenting confiducd this contained the designed DAA segmence.
The TNF-alpha receptor expression plasmids were then transfected
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      into monkey 0.85-7 cells.
See also AA124444-51, AAR24000, AAR24080 84, AAR17085, AAQ09236-8
                                                                                                                                                                                                                                                                                                                                                        New polypeptide capable of binding human INF alpha - comprises first three cysteine rich subbonains of INF aigha receptor for treating autoimmune disease, septic shock, HIV etc.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ........AspSerValCysFroGluGlyLysIyrIle 39
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                                                                                                                                                                                                                                                                   Brennan FM, Feldmann M, Gray PW, Turner MJC;
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                                                                                                                                                                                                                                   (CHAR-) CHARING CROSS SUNLEY RES CENT.
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156...274
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Percent Similarity, 91.787
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Tumbur nerrosis factor inhibitor for suppression of INF alpha and "beta useful as therspentin agent
                                                                                                             123 isTyrTrpSerGluAsaLeaPheGlaCysPhcAsuCysEcu 139
                                                                                                                                                                                                                                                                                    156 rCysHisAlaGlyPhePheLeuArgGluAsnGluCysValSerCysSerA 173
106 sThrValAspArqAspThrValCysGlyCysArqLysAsnGlnTyrArqH 123
                                                                                                                                                                                                                                                                                                                                                                                                                                         173 snCysLysLysEpsSerLeuGluCysThrLysLeuCysLeuProGlnIleGlu 189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 705 ACTGIAAGAAAAAGCCTGGAGTGCACGAAGTTGTGCCTACCCAGATTGAG 754
                                   73 ysGluSerGlySerPheThrAlaSerGluAsuHisLeuArgHisCysLeu 89
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   30kb TNF inhibitor precursor gene in lambda-gt10-7ctmfbp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                seq_name: /SIDSZ/qcqdata/qeneseqzqeneseqn/NA1991 DAT:AAQ10883
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Tumour necrosis factor; inhibitor; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Location/Qualifiers
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1D AAQ\0883 standard: cDNA; 2088 BP
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The sequence encodes the entire 30 kD TNF inhibitor. The clone from which the sequence was obtd. was isolated from a cDNA library prepd from RNA form HG97 rells treated with PMA/PHA The whole
                                                    gene can be inserted into expression vectors for prepn. of TNF inhibitor for use in the treatment of inflammatory and degenerative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            90 SertyssertystysArgLystluMet.clydlalulleSerserfy 106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          123 is"yrTrpSerCluAsnLeuPheGlnCysPheAsnCysSerLeuCysLeu 139
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 140 AsnGlyThrValHisLeuSerCysGlnGluLysGlnAsnThrValCysTh 156
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          rCysHisAlaGlyPhcPhcLeuArgGluAsnGluCysValSerCysSerA 173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             319 CACCCTCAAAATAATTCGATTTGCTGTACCAAGTGCCACAAAGGAACCTA 368
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AspSerVal@ysProGlndly!ysTyrile 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    73 ysGluSerGlySerPheThrAlaSerGluAsnHisLeuArgHisCysLeu 89
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         40 HisProGlaAsaAsaSerIleCysCysThrLysCysHisLysGlyThrTy
                                                                                                                                                                                                                                                                                                                                                                             1 MetGlyLeuSerThrValProAspLeuLeuLeuProLeuValLeuGl
                                                                                                                                                                                                                                                                                                                                                                                                                                                17 uLeuLeuValGlylleTyrProSerGlyVallleGly......
                                                                                                                                            other
                                                                                                                                                                                                                                               Percent Identity: 94,787
                                                                                                                                            Sequence 2088 BP; 439 A; 626 C, 578 G, 445 T, 0
                                                                                                                                                                                                                 Length:
                                                                                                                                                                                                                                    Gaps:
                                                                                                                                                                                                                                                                                                                                           Align seg 1/1 to: AAQ10883 from: 1 to: 2088
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        769 AATGTTAAGGGGAGTGAGGGCTGAGGGAGGAGAAGAA 801
                                                                                                        See also AA010878, AA010884 and AA010907.
                                                                                                                                                                                                                                5.588
                                                                                                                                                                                                                                                                                                       US-09-525-998A-12 x AAQ10883
                                                                                                                                                                                                               Quality: 1117.50
                                                                                                                                                                                                                                             Percent Similarity.
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                                                                                           diseases.
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31-ATG 1990,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                08 - MAR 1950,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAQ10955;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The present insection relates to Dumour Nectorsis Factor (inF) inhibitors (see AAB37676 and AAB37685), which have TNF inhibitory activity. The novel TNF inhibitors of the present invention are useful as therapeutic agents for inhibiting the activity of TNF and interleumin (Ir-1), and for treating inflammatory and degenerative diseases mediated by TNF. The present sequence is the coding sequence for the presursor of 30 kba TNF inhibitor. The 30 kba TNF inhibitor can inhibit TNF alpha.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Novel 30 kBa tumon mecrosis factor inhibitor analog comprising a
non-mative systeine residue cross linked with polyethylene glycol,
useful for treating inflammatory and degenerative diseases mediated by
                                                                                                                                                                                                                   TNF inhibitor, antiinflammatory, tumour Negrosis Factor; interioukin; IL-1; inflammatory disease; degenerative disease; human; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 MetGlyLeuSerThrValProAspLeuLeuLeuProLeuValLeuLeuGl 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          30 ......AspScrValCysProClnClyLysTyrIle 39
Seq_name. (311/82, 111/4411, 1/4441, 1/44441, 1/A2001.DAT:AAC83946
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Hale KK, Brewer MT, Thompson RC;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 2088 BP; 439 A; 626 C; 578 G; 445 I; 0 other;
                                                                                                                                                                           Human 30 kDa TNF inhibitor precursor coding sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Percent Identify 94,787
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          17 uLeuLeuValGlyIleTyrProSerGlyValIleGly.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Vannice I, Kohno T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 6; Fig 21; 82pp; English.
                                      seq_documentation_block:
ID AAC83946 standard; DNA; 2088 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     89US-0381080.
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90US-0479661.
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                                                                                                                                         02-MAR-2001 (first entry)
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US-09-525-999A-12 x AAC83946
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                                                                                                                                                                                                                                                                                  Homo sapiens
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                                                                                                 AAC83946;
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| 106 | STATEVA | ASSPATGASPTATVA | CZYSKI JOCKSA ZGOGO (1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1747 | 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       173 sncystystysSericaChiCysThrtyst.cafyst.cafrificEhi 189
369 CLIGIACAATGA HALCHAGGGCCGGGGAAGALAGGALTGAAGGAGT 418
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        123 isTyrTrpSerGluAsnLeuPheGlnCysPheAsnCysScrLeu/ysLeu 139
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                                                                                                                                                                                                                                                                                                                                                                                                                     56 rtzutyrAsaAspCysProftyProftyGinAspthrAsp/ysArgGin* 74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      // ysdiuSerClySerPheThrAlaSerGluAsnHisixeArdHisCysLen 89
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autoimmune diomeralonephritis, lymphokine, cytokine,
                                                                                                                                                                         40 HisProGluAsnAsnSerlleCysCysThrLysCysHisLysGlyThrTy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               190 AshValLysGlyThrGluAspSerGlyThrThr 200
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|*tag= a
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ID AAQ10955 standard: cDNA; 2111
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274..1551
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587 ATTATTGGAGTGAAAACCTTTTTCCAGTGTTTCAATTGCAGCCTCTGCCTC 636

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TWF-BPS (see AAPIIO72-PIIO81) and Oligonucleotide primers were synthesised based on these partial sequences. The primers were used to produce a chaw fragment for use as aprobe to serven a human platental cDNA bank constructed in lambda gill. Positive clones were identified and sequenced. DNA constructs comprising the TMF-BP coding sequence may also contain a fragment encoding a human Iq domain Recombinant constructs are used to transform relis to confer
                                                                                                                                                                                                                                                                                                                                                                     Partial amino acid sequences were determined for the 55 and 75kD
                                                                                                                                                                                                         Inscluble tumour necrosis factor binding proteins - and \mathsf{DNA} encoding them, useful in pharmaceutical prods. and for antibody
                                                      Lotscher H;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  337 CACCCTCAAATAATTCGATTTGCTGTACCAAGTGCCACAAAGGAACCTA 386
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              4.37 GTGAGAGGGGGTTGTTTGAGGATTGAGAAAGGAGGTGAGAGTGCCTC 486
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             73 ysGluScrGlySerTheThrAlaSerGluAshHisbeuArgHisGysLeu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 2111 RP; 445 A; 628 C; 588 G; 450 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Percent Identity: 94.787
                                                      Dembio Z, Genta R, Lesslauer W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            17 uLeuLeuValGlylleTyrProSerGlyValileGly.....
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Caps.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Align seg 1/1 to: AA010955 from: 1 to: 2111
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            improved TNP-binding properties.
                                                                                                                                                                                                                                                                                                                 Claim 4; Fig 1; 26pp; German.
(HOFF ) HOFFMANN-LA ROCHE AG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-525-998A-12 x AAQ10955
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ouality: 1117.50
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                                                                                                                             WPI; 1991-081851/12.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 See also AAQ10956.
                                                                                                                                                           7-PSDB; AAR11082.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ratio:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Percent Similarity:
                                                 Brockhaus M,
Schlaeger EJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               alignment_scores:
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This invention describes novel homogeneous insoluble proteins (1), their (in)soluble tragments (1a) and their salts that can bind tunnour necrosis factor (TMF). The products of the invention have a salt inflammatory and antimalarial activity. (1) and (1a) are used (i) to treat diseases in which TNF is involved (e.g. septic shock, autoimmune
                                                                                                                                                                                                                                                                                                                                                                                                                         Tumour necrosis factor binding protein; TNF; insoluble protein; agonist;
                                                                                                                                                                                                                                                                                                                                                                                                                                          anti-inflammatory, antimalarial, treatment, septie shock, inflammation, autoimmane glomerulonephritis, cerebial malaria, immune response;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New insoluble proteins, and fraqments, that bind to tamor necrosis
factor, used to freat e.g. septic shock or cerebral malaria
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Dembic Z, Gentz R, Lesslauer W, Leetscher H;
                140 AsaGlyThrValHisLeuSerCysGlnGluLysGlnAsnThrValCysTh 156
                                                              156 rCysHisAlaGlyPhePheLeuArgGluAsnGluCysValSerCysSerA 173
                                                                                                                           173 sudysLysLysSerLeuGludysThrLysLeudysLeuProGlnIleGlu 189
                                                                                                                                                                                                                                                      seq_name: /SIDS2/gcgdata/geneseq/geneseqn;NA1999_bAT-AA209170
                                                                                                                                                                                                                                                                                                                                                                                           Human tumour necrosis factor binding protein cDNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "TNF binding protein"
                                                                                                                                                                                       190 AsnValLysGlyThrGluAspSerGlyThrThr 200
                                                                                                                                                                                                                      787 AATGITAAGGGCACTGAGGACTCAGGCACCACA 819
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (HOFF ) HOFFMANN LA ROCHE & CO AG F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Location/Qualifiers
187..1554
                                                                                                                                                                                                                                                                                   seq_documentation_block:
ID AAZ09170 standard; cDNA; 2111 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         90CH-0001347.
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                                                                                                                                                                                                                                                                                                                                                              18-OCT-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         antagonist; diagnosis; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /product-
187..273
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274..1551
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Schlaeger E;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            EP939121-A2
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0000000×000×00

AAZ48479 otandard; DNA; 2161 BP

seq_documentation_block:

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glomerulonephritis, cerebral malaria, inmune responses and inflammation), (i) to purify TNF, (ii) to identify TNF (ant)agonists and (iv) for diagnostic determination of TNF in bedy fluids. Antibedies raised agains: (I) are used nor attinity purification of (I). This sequence encodes a tumour necrosis factor binding protein described in the method of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        173 sndystystysserbeadladysthriysteadysteaProGluileGlu 189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SerCysSerLysCysArgLysGluMetGlyGlnValGluIleSerSerCy 106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SThrValAspArgAspfhrValCysClyCysArgLysAsnClnTyrArgH 123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                123 isTyrTrpsorGuAsmLeuPhealnCysPhoAsmCysSerLeuCysLeu 139
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           140 AsnGlyThrValHisLeuSerCysGlnGluLysGlnAsnThrValCysTh 156
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         rCysHisAlaClyPhePheLeuArdCluAsnGluCysValSerCysSerA 173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 737 ACTOTAAGAAAGCCTGGAGTGCACGAAGTTGTGCCTACCCCAGATTGAG 786
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AspservalcysProGluGlyLysTyrile 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ricuTyrAsnAsp/ysProdlyprodlycleAspThrAsp/ysArgGluC 73
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 MetGlyLeuSerThrValProAspLeuLeuLeuProLeuValLeuLeuGl 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  17 uteuteuvalGlylleTyrProSerGlyvalllcGly..... 29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               73 ysGluSerGlySerPhcThrAlaSerGluAsnHisLeuArgHisCysLeu 89
                                                                                                                                                                  Sequence 2111 BP; 445 A; 629 C; 587 G; 450 T; 0 other;
                                                                                                                                                                                                                                                                                                            Percent Identity: 94.787
                                                                                                                                                                                                                                                                                        Gaps:
                                                                                                                                                                                                                                                                                                                                                                                                                           Align seg 1/1 to: AAX09170 from: 1 to: 2111
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                                                                                                                                                                                                                                                                                                       94.787
                                                                                                                                                                                                                                                           Quality: 1117.50
Ratio: 5.588
                                                                                                                                                                                                                                                                                                     Percent Similarity:
                                                                                                                        the invention.
                                                                                                                                                                                                                                       aliqnment_scores.
                                                                                                                                                                                                                                                                                                                                                        alignment_block
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Seq_name. /Sins2/jirgdata, grouse quaresequa NAzeed LAI.AAI.AAI.48475

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necrosis factor receptor type I (INFR) KNA. These antiscuse compounds can be used in a method of inhibiting the explease of TNFh bounds cells or tissues. The antiscuse compounds specifically hybridize with one or more sucleic acids escoding TNFH, unlimmately modulating the amount of INFR produced. The antiscuse compounds and method are useful as research infection, inflammation, the froquency and its properties of infection, inflammation or the froquency infection, inflammation or the froquency of infection, inflammation or the froquency represents the nucleotide sequence of human INFRI (Genbank Acen No.
                                                                                                                                           Tumbour necession factor receptor type 1, TNFEL, and Laense; infection; inflammation; tumbour formation; [NFEL; anti-vancer; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    **restrent and prevention of disease, particularly tumors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Antisense inhibition of tumor necrosis factor type I expression for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The invention provides anticense compounds targeted to human tumour
                                                                                                               Human tumour necrosis factor receptor (INFR) nucleotide sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               256 ATGGGCCTCTCACCCTGCCTGACCTGCTGCTGCCCTGGTGCTGTGGA 305
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    306 GCIGITGCIGGGAATALACCCCLCAGGGTTALIGGACIGGICTICACC 355
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            .. AspSerValCysProGinGiyLysIyrlle 49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     40 HisProGlnAsnAsnScrileCysCysThtlysCysHislysGlyThrly 56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 MetGlyLeuSerlbrValProAspLeuLeuLeuProFesVa:TeuLeuS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 2161 BP; 459 A; 642 C; 604 G; 456 T; C other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Percent Identity: 94.787
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example io, dorumns 33-35; 34pp; English.
                                                                                                                                                                                                                                                                                                                                                          980S-0106038.
                                                                                                                                                                                                                                                                                                                    9803 0106038
                                                                           (first entry)
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US-09-525 998A 1_ x AA?48475
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Ratio: 5.588
                                                                                                                                                                                                                                                                                                                                                                                                (ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                      Baker BF, Cowsert LM;
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                                                                                                                                                                                                                                                                                                                      26-JUN-1998;
                                                                                                                                                                                                                                                                                                                                                            26-JUN-1998;
                                                                                                                                                                                                           Homo sapiens
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                                                                         31-MAR-2000
                                                                                                                                                                                                                                           US5007995-A
                                                                                                                                                                                                                                                                                   28-DEC 1999.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    diagnesis,
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p55, tumour necrosis tactor receptor; INF-R; human; murine; chimera; epiderma! growth factor receptor; EGF-R, protease, inhibitor:
                         106
                                                                                                                                                                                                                                                                                                                               106 sThrValAspArgAspThrValCysClyCysArgLysAsnClnTyrArgH 123
                                                                                                                                                                                                                                                         123 isTyrTrpSerGluAsnLeuPheGlnCysPheAsnCysSerLeuC,sLeu 139
                                                                                                                                                                                                                                                                      140 AsnGlyThrValHisLeuSerCysClnGlutysClnAsnThrValCysTh 156
                                                                                                                                                                                                                                                                                                                                                                       rCysHisAlaClyPhcPhcLcaArgCluAsnCluCysValScrCysScrA 173
406 CACCCICAAAATAATIGGATIIGGIGIACCAAGIGCCACAAAGGAACCIA 455
                                                                                                              506 GTGAGAGGGGTTPTTTGAGGGTTGAGAAAAGGAGGTGAGAGTGGGTG 555
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Seq. namer: 7811982 Gregdata/geneserg/geneserg/malese (pA) Aage0513
                                                                                                                                                                     556 AGCIGCICCAAAIGCCGAAAAGAAAATGAGTCAGGIGGAAAICTCTTG
                                                                                                                                                                                                               73 ysGluSerGlySerPheThrAlaSerGluAsnHisLeuArgHisCysLeu
                                                                                                                                            90 SorrysSerlysCysArglysGluMetGlyGlbValGlbIleSerSerCy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "possible poly-A signal"
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2143..2149
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             phorbol myristate acetate; PMA; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         11 OCT-1994;
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chimetas between human region of the measured process. This spaces incorporate the factor receptor (EGF R) that are represented by AAR75067-11. This spaces region was subjected to deletion mutations (AAR75067-11. This spaces region was subjected to deletion mutations (AAR75013-25) and substitutions (AAR75026-47). Of the spacer region, the most important residues are Asn 172, Val 173, Lys 174 and G1y 175, With Val 173 being the most important of these. The shedding of the receptor is independent of the side chain identity of these residues, with the exception of a limited dependence on the identity of Val 173. Mutations which alter the conformation of the protein adversely effect the shedding process. The mutations shown in AAR75013-47 were introduced in order to create an
                                                                                                                                                                                                                                                                                                                                                                        to different inducing agents, e.g. photoon mynistate acetate (PMA), depending on cell type. The only region of the receptor whose structure affects the shedding response is the spacer region (see ARY5012) in the extracellular domain. This region is located close to a site of cleavage of the molecule, and links the dys rich module to the transmembrane domain. The spacer region of the encoded protein was used to create the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 inhibitor of a protease that is capable of cleaving the soluble TNF-R from the cell bound TNF-R. Fragments of these inhibitors can be seen in AAR75017-9, AAR75025, AAR75033-5 and AAR75042-3. These protease
                                                                                                                                                                                                                                                                                             This sequence represents human p55 tumour necrosis factor (TNF-R) bNA. Expression of this receptor is regulated by shedding of the extracellular receptor fragment. The p55 TNF-R can be shed in response
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             These protease
                                                                                                                                   New protease capable of cleaving soluble tumour necrosis factor
                                                                                                                                                             from cell-bound TNF- receptor, useful for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            406 CACCCTCAAAATAATTCGATTTGCTGTAGGGAGGAAAGGAACCTA 455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               506 GTGAGAGGGGGTGCTTCACGGCTTCAGAAAGGAGGTGAGGTGAGAGTGGGTG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                56 rteuTyrAsnAspCysProGlyProGlyClnAspThrAspCysArgGluC 73
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         73 ysGluSerGlySerPheThrAlaSerGluAsnHisLeuArgHisCysLeu 89
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 2175 BP; 474 A; 642 C; 603 G; 456 T; 0 other;
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Wallach D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 inhibitors can be used for enhancing TNF function.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Percent Identity: 94.787
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Align seg 1/1 to: AAQ90513 from: 1 to: 2175
Batkin M, Brakebusch C, Variolomeev E,
                                                                                                                                                                                      antagonising deleterious effects of INF.
                                                                                                                                                                                                                                                Disclosure, Fig 1; 40pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-525-998A-12 x AAQ90513
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Quality: 1117.50
Ratio: 5.588
nilarity: 94.787
                                                WPI; 1995-194342/26.
                                                                                P-PSDB; AAR75084
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Percent Similarity:
                                                                                                                                                                (TNF) receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          alignment_scores:
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pocts)

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Recombinant host cell; dihydrofolate reductase, selectable marker, DHFR; ras splice donor; dicistronic vector; gene expression; immunoadhesin; InFr-1gG; tumour necrosis factor; ds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Improved process for the selection of pocombigant bost cells expressing high level of a desired product - uses eukaryotic host cells contg. a DNA construct comprising a selectable gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A dicistronic vector (AATISGA) Perprises a requisiony region derived from the eytomegalovirus immediate-early gene, a selectable dihydr.Colute reductase que, positioned wifth an intron having a S' wild-type ras splice donor site, a downstream
                                                                                                                                    rCysHisAlaGlyPhePheLeuArgGluAsnGluCysValSerCysSerA 173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 556 AGCTGCTCCAAATGCCGAAAAJAAATGGGTCAGGTGGAGATCTCTTG 605
                                                                                                SThrValAspArgAspThrValCysGlyCysArgLysAsnGlnTyrArgH 123
                                                                                                                                                                                                                                 12) isTyrTrpSordluAsnicathedinGysPheAsnCysSericuGysLea 139
                                                                                                                                                                                                                                                                                                                                                                     140 AsnGlyThrValHisLeuSerCysGlnGluLysGlnAsnThrValCysTh 156
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          756 CIGCCATGCAGGITTCTTTCTAAGAAAAGGAGTGIGIGICTCCTGTAGTA 805
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             173 snCystystysSert.euCluCysThrtyst.euCyst.euProGln11eGlu 189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      18) LIVE IVE SELECTIVE (INVESTMENT OF SERVED IN INTERPRETATION OF TAXABLE PROPERTY.
DHFR/introm (WTrasSD)-TuFr-1gG dicistronic vector.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  190 AshVallySClyThrCluAspScrClyThrThr 200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     856 AATGTTAAGGGGAGTGAGGACTCAGGACCACAA 888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 2: Page 36-42; 137pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAT15931 standard; DNA; 6889 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            94118-0286740.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           20 JUN 1996 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (GETH ) GENENTECH INC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    28 - Jill - 1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    W09604391-A1
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2005 ATTALLOCACIONAMACCIONELCAMINAMA COCCIO 2054
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1905 AGCIGCIOCAAATGCCBAAABGAAAAGGGICABGGGGBAGATCITCITCIT 1954
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1805 CIIGIACAAIGAGIGIGCAGGGGGGGAGAIAGGAGIGGAGIGGAGGAGI 1854
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            90 SercysserEysCyoArgLysGluMetGlyGlnValGhilleSerSerCy 106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       123 isTyrTrpSerGluAsnLeuPheGlnCysPheAsnCysSerLeuCysLeu 139
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              140 AsnotythiValEisLeuSerCysGlnGluLysGlnAsuInrValCysIb 156
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   .. AspSerValCysProGluGlyLysTyrlle 39
Sequence 6889 HP; 1729 A; 1826 C; 1681 G; 1654 L; U other.
                                                                                                                                                                                                                             1 MetGlyLeuSerThuValProAspLeuLeuLeuProLeuValLeuLeuS; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The St. Britania area of presents has an extendent
                                                                                                                                                                                                                                                                                                                                                                                                                                               40 HisProGlnAsnAsnSerIleCysCysThrLysCysHisLysGlyThrTy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          73 ysGluSerGlySerFheThrAlaSerGluAsnHisLeuAraHisCysLeu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Leng* h:
                                                                                        Gaps:
                                                                                                     Percent Sokarity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Align seg 1/1 to: AAI15931 from: 1 to: 6889
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             190 AssVallys6lyThr6luAcpSerGlyThrThr 200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAV04431 Standard: DNA: 6926 BP
                                                                                    5,588
                                                                                                                                                        US-09 525-998A-12 x AAI15931
                                                               Ouality: 1117.50
Ratio: 5.588
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      seq_documentation_block:
                                                                                                   Noted Similarity.
                                                    alignment_scores:
                                                                                                                                         alignment_block:
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29-APR-1993;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          10-NOV-1993.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CDS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Screening of compounds for ability to bind specific molecules - using a chimeric protein in which the specific molecule is fused to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             or ligand, e.g. in biomedical research and drug development. The method is especially intended for screening combinatorial libraries, but is also useful in screening bacterial/phage lysates, assays requiring specific binding partner interaction and obtaining
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            the chimeric proteins, compounds can be rapidly screened for binding to an antigen, antibody, encyme, encyme substrate, receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          immunoglobulin regions recognising an epitope. A binding partner complex between the chimeric protein and compound(s) is formed, separated out and contacted with a (in)directly jabelled secondary molecule which binds the 2nd domain, and the label detected. Using
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The present vector, which is designated pcDNA3-1gG1-TNF-R and contains nucleic acid sequences enceding nears, inhumospholin G1 (1gG1) CH2, CH3 and hinge regions and the human tumour necrosis factor receptor, was used in the development of a novel method of serecting compounds for ability to bind a specific molecule. The method comprises contacting one or more compounds with a chimeric protein containing at least two domains, the 1st comprising a portion of the specific molecule, and the 2nd an immunosphoulin chain portion having one or more epitopes and/or monecompounts.
                                                                                                       murine; mouse; immunoglobulin G1; heavy chain; human; chimeric;
                                                                                                                                vector pcDNA: 1gCl 1NP R; tumcur nectosis factor receptor, screening; combinatorial library; CH2; CH3; hinge region; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 6926 BP; 1638 A; 1816 C; 1765 G; 1707 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 MetGlyLeuSerThrValProAspLeuLeuProLeuValLeuCl 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Percent Identity: 94.787
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 1; Pages 49-54; 80pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (CHUG-) CHUGAI BIOPHARMACEUTICALS INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Brown SJ, Spinella DG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        binding analogues of a compound.
                                                                                                                                                                                                                                                                                                                                                                                                                      97WO-US05821
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27-APR-1998 (first entry)
                                                      Vector pcDNA3-IqG1-TNF-R.
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US-09-525-998A:12 x AAV64431
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Ratio: 5.588
milarity: 94.787
                                                                                                                                                                                                            Chimeric - Mus sp.
Chimeric - Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  an immunoglobulin chain
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                                                                                                                                                                                                                                                                                                                    WU9737220-AI.
                                                                                                                                                                                                                                                                                                                                                                                                                      02-APR-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             03 - APR-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Becherer KA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   alignment_scores:
                                                                                                                                                                                                                                                                                                                                                                  09-OCT-1997.
                                                                                                                                                                                                                                                                   Synthetic.
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INF: tumour necrosis factor; receptor; disease; autoimmunity; cheumatoid arthrilis; graff rejection; graff vs. host; septic shock;
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                                                                  156 rCysHisAlaGlyPhePheLeuArgGluAsnGluCysValSerCysSerA 173 [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [11] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [11] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [11] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [11] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [11] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [11] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [111] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11] [11
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1385 AATGGGACCGTGCACCTCTTCTTCCCAGGAAACAGAACAGGGTGTGCAC 1434
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             106 SThrValAspArgAspThrValCysGlyCysArqLysAsnGlnTyrArqH 123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   90 SerCysSerLysCysArgLysGluMetGlyGlnValGlulleSerSerCy 106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              123 isTyrTrpSerCluAsnLeuPheClnCysPheAsnCysSerLeuCysLeu 139
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               140 AsnGlyThrValHisLeuSerCysGlnGluLysGlnAsnThrValCysTh 156
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 56 rLeuTyrAsnAspCysProGlyProGlyGlnAspThrAspCysArqGluC 73
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           seq_name: /SIDS2/gcgdata/geneseg/genesegn/NA1993.DAT:AAQ50870
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          73 ysGluSerGlySerPheThrAlaSerGluAsnHisLeuArqHisCysLeu
30 ......AspSerValCysProGlnGlyLysTyrlle
                                                                                                                                                                                                                                                                                40 BisProCluAsnAsnSerTicCysCysthatysCysHistgsGlythriy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        p55 Tumout nectosis factor receptor coding sequence.
                                                                                                                                                                                                                                                                                                                                                          190 AshVallySGlythrGluAspSerGlythrThr 200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Location/Qualitiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      93EP-0106981
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            256..1623
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deletion modulates signal transduction and/or cleavage effected by the receptor. This modulation of activity cur als, he achieved using effector proteins which interact with the TMF receptor. Molecules which interact with the TMF receptor or the effector proteins can be used to treat or prevent diseases associated with the TMF activity e.g. autoimmune disease, rheumatoid arthritis; graft rejection, graft vs. hear disease or septic shock. They can also be used to treat overdoses of exogenous TMF.
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Modification of the tumour necrosis factor receptor by mutation or
                                                                                                                                                                                                                                                Modulating activity of tumour necrosis factor receptor - using peptide(s), antibodies, etc. which interact with critical remions of receptor or effector protein, for controlling auto-lumune
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     106 sThrValAspArgAspThrValCysClyCysArgLysAsnClnTyrArgH 123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            406 CACCOTCAAAATAATTOGATTTOCTGTTACCAAGTCACAAAGGAAACTAA 455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            606 CACACTGGAPPGGGAPAPGGTGTGTGAPTGGAAGAAGAAFAAFTAGTGGGP 555
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    40 HisproGinAsaAsaSerIleCysCysThrLysCysHisLysGlyThrTy 56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              73 ysCluSerClySerPheThrAlaSerGluAsnHisLeuArgHisCysLeu 89
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 Met.GlyLeuSerThrValProAspLeuLeuLeuProLeuValLeuGl 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           17 uLeuLeuValGlylleTyrProSerClyVallleCly......29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 56 rLeuTyrAsnAspCysProGlyProGlyClnAspThrAspCysArgGluC 73
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 2170 BP: 474 A: 657 C: 584 G: 455 T: 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Percent Identity: 93.839
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps:
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                                                                                                                                                                                                                                                                                                                                                                                           Claim 2; Figure 1; 17pp; English
                                                       (YEDA ) YEDA RES & DEV CO LID.
  9211, 0101769,
                                                                                                                                                                                                                                                                                                                                         discase, septic shock, etc.
                                                                                                               Brakebusch C, Wallach D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-04-525-998A-12 x AAOFOB70
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Ratio: 5.543
nilarity: 94.787
                                                                                                                                                                 WPI; 1993-353057/45.
                                                                                                                                                                                              P-PSDB; AAR42197.
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03-MAY-1992;
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/most = may bd I codons shorter or a few codons
| Longer = |
                                                                                173 snCystystyrSerLeadlaCycThrLycLeuCysteuProsthilleGlu 189
656 ATTATIONACIDAAAACCIIIIOCAGIGCIICAARIDIAGGIICIGOCIC 705
                                                      140 AsnGlyThrValHisLeuSerCysGlnGluLysGlnAsnThrValCysTh 156
                                                                                                                                                               156 rCysHisAlaGlyPhePheLenAraGluAsnGluCysValScrCysSerA 173
                                                                                                                                                                                                                                                                                                                           806 ACTICTAACAAAACCTGCACTCCACGAACTTGTGCCTACCCTAGATTGAC 855
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Tumour Necrosis Factor: INF: binding protein: 180-1; ss
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/*tagr a
/:ote= "in frame termination coupum"
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/*tag= f
/note= "IBP-1 derived sequence"
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//ote= "TBP I derived sequence"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             type I INF receptor
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                                                                                                                                                                                                                                                                                                                                                                                    190 AssValLysslyThrSl:AspSerslyThrThr 200
                                                                                                                                                                                                                                                                                                                                                                                                              856 AATGIITAAGGGGACTGAGGACTCAGGACACAGA 888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Docation/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAQ12215 standard; DNA; 2176 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Type I INF receptor.
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The Tumour Necrosis Factor Binding Protein i is the soluble form of type I TNF-receptor and constitutes a fragment of the cell surface form of this receptor, corresp. to its extracellular domain. There is no characteristic poly(A) addition signal near the 3' end of the cDNN. The Sequence ACTNAA (tag m) may serve as an alternative to this signal, but with low efficiency.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Recombinant tumeur necrosis factor binding protein 1—prepd. by
transfecting cakaryotic cells with vector contg. deoxyribonucleic
acid encoding human type T TNP receptor or soluble domain
                                                                                                                                                                                                                                                                                                                                                                                                                                      Wallach D, Nophal Y, Kempel O, Engelmann H, Brakebusch C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 2176 BP, 475 A, 644 C, 602 G, 455 T, 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ratio: 5.565 Gaps: 1
Percent Similarity: 94.313 Percent Identity: 94.313
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Disclosure, Flq 1(D), 30pp, English.
                                                                                                                                                                                                                                                                                                                                                                           (YEDA ) YEDA RES & DEV CO LID
                                                                                                                                                                                                                   90EP-0124133.
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   2145..2150
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US-09-525-998A-12 x AAQ12215
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                                /*t.ag-
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polyA_siqual
                                                                                                                                                                                                                   13-DEC-1990;
                                                                                                                                                                                                                                                                                12-JUL-1990;
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                                                                                                                                                                                                                                                                                                                 13-DEC-1989;
                                                                                                                                                        26-JUN-1991
                                                                                          EP433900-A
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356 TAGGGGAGAGAGAGAGATAGTGTGTGTGCCCCAAGGAAATATATC 405

.. AspSerValCycProGlpGlyLysTyrIle 39

30 ...

40 HisProGlnAsnAsnSerIleCysCysThrLysCysHisLysGlyThrTy 56

256 AIGGGCTCTCCACCATGCTGACCAGCTGCCGCCGCGGGGGCCCCGGGA 305

1 MetGlyLeuSerThrValProAspLeuLeuLeuProLeuValLeuLeuGl 17

Align seg 1/1 to: AAQ12215 from: 1 to: 2176

56 rleuTyrAsnAspCysPrcGlyProGlyClnAspThrAspCysArgGluC 73

73 ysGluSerGlySerPheThrAlaSerGluAsnHisLeuArgHisCysLeu 89

90 SercyssertyscysArgtysGlaMetGlyGlaValGLulleSerserCy 106

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106 sThrValAspArgAspThrValCysClyCysArgLysAsnClnTyrArgH 123
                                                                   123 isTyrTrpSerGluAsnLeuPheGlnCysPheAsnCysSerLeuCysLeu 139
                                                                                                                                                     140 AsnGlyThrValHisLeuSerCysClnGluLysClnAsnThrValCysTh 156
                                                                                                                                                                                                                                           156 rCysHisAlaGlyPhePheLeuArgGluAsnGluCysValSerCysSerA 173
                                                                                                                                                                                                                                                                                                                                                 756 CHGCCATGCAGGTTTCTTTCTAAGAGAAACGAGTGTGTCTCTCCTGTAGTA 805
                                                                                                                                                                                                                                                                                                                                                                                            173 snCysLysLysSerLeuGluCysThrLysLeuCysLeuProGlnIleGlu 189
556 AGUIGCICCAAAIGCCGAAAGGAAAIGGCICAGGIGGAGAICICIIG 605
                                                                                                                                                                                                                                                                                                                             190 AsaVallysClyThrGluAspSerClyThrThr 200
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